

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 89 - 072

WATER RECLAMATION REQUIREMENTS FOR:

MUSTARDS GRILL AND
CRYSTAL VALLEY CELLARS,
IN NAPA VALLEY, NAPA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter called the Board), finds that:

1. The Mustards Grill restaurant and Crystal Valley Cellars winery (hereinafter collectively called the Discharger), are located at 7399 St. Helena Highway and 7415 St. Helena Highway, respectively, on adjacent properties which are approximately one and a half miles northwest of the town of Yountville, in Napa County. The Discharger, on January 1, 1988, filed a Report of Waste Discharge with the Board relative to the treatment and disposal of wastewater from the existing Mustards Grill restaurant and the proposed Crystal Valley Cellars winery. The Discharger, through its consultant, submitted additional information on December 21, 1988, in response to the Board's request for technical information regarding the proposed wastewater treatment and disposal system.
2. The Discharger proposes to discharge the following wastes:
 - a. Winery process wastewater from the proposed Crystal Valley Cellars winery, which will produce 30,000 gallons of wine per year, and an associated wine tasting facility. The annual wastewater generation rate is projected to be 84,000 gallons of winery process wastewater at the ultimate production capacity. The majority of the winery process wastewater will be produced during the 60-day crushing season in the autumn.
 - b. Domestic wastewater generated from winery employees and visitors. Annual wastewater generation is estimated to be about 110,000 gallons.
 - c. Domestic wastewater generated from employees and customers of the existing Mustards Grill restaurant, during the six-month wet weather season. Wastewater generation during this six month period is estimated to be about 200,200 gallons.
3. Each of the wastewater streams identified above will receive primary settling in separate septic tanks, prior to being combined. The wastewater streams will be combined in a 1500 gallon sump, and pumped to two aeration ponds located at the

southwest edge of the property. Each of the ponds will be equipped with one or more aerators of sufficient capacity to provide aerobic stabilization of the wastewater and prevent the creation of anaerobic or nuisance conditions. The ponds will be sealed to serve as holding ponds during the entire six-month wet weather season (October through March). During the dry weather period, disinfected pond effluent will be pumped to an adjacent field for disposal by spray irrigation. Attachment A of this Order is a location map showing the site and the wastewater facilities.

4. The Discharger is both producer and user of the reclaimed wastewater.
5. The two aeration ponds, each 74 ft. by 154 ft. by 12 ft. deep, will have a total surface of approximately 23,000 square feet, and a total maximum water storage capacity of about 1.2 million gallons. With allowance for two feet of freeboard, the total storage capacity of the ponds is about 887,000 gallons. A water balance analysis indicates that the ponds will have adequate capacity to store all wastewater inflows and direct precipitation during the six month wet weather season, based on the wastewater generation rates described in Finding 2 above, and a 10-year recurrence interval rainfall record.
6. During the dry weather period (April through September), wastewater from the restaurant will be diverted prior to being combined with the winery wastewaters, and discharged to an existing on-site, subsurface mound system (Evapotranspiration-Infiltration bed) for treatment and disposal. This on-site subsurface system is currently, and will continue to be, regulated and monitored by the Napa County Environmental Health Department, with oversight as necessary by the Board.
7. Solid waste produced at the winery will be taken to a sanitary landfill for disposal.
8. The proposed spray disposal field is about one half acre of open grassy field located in the central portion of the Mustards Grill property. The field is bounded on the west by the southerly of the two ponds, on the north by the existing Evapotranspiration-Infiltration (ETI) bed, and on the east and south by open grassy fields. The perimeter of the spray field and pond area will be fenced in order to restrict public access, and is proposed to be planted with trees or shrubs.
9. The Napa County Environmental Health Department requires that all on-site wastewater systems include designation of a 100 % reserve area, for alternate use in the future, in the event that the original area becomes unuseable. The reserve area for the ponds is located to the north of the proposed ponds, on the Crystal Valley Cellars property. The reserve area for the spray field is located adjacent to the proposed spray field, over the surface of the existing ETI bed.

10. Under the requirements of the Use Permit issued by Napa County for this facility, a contract will be developed between the owners of the Mustards Grill restaurant and the Crystal Valley Cellars winery to ensure the long-term operation and maintenance of the wastewater system.
11. A residential house and several associated small buildings are located at the east corner of the Mustards Grill property, east of the spray field. A well used for landscape irrigation is located amid this cluster of buildings, approximately 250 feet from the nearest edge of the spray disposal field. Domestic water for this residence is supplied by the public water supply system.
12. The southwest edge of the Discharger's property, where the ponds will be located, is bounded by a railroad right-of-way. The railroad is currently used only intermittently, but is being considered for use by a tourist excursion train through the Napa Valley, which would make several trips per day.
13. A residential home and barn are located southwest of the Discharger's property, beyond the railroad. This residence is served by two actively used domestic water supply wells located near the house and barn. The wells are about 250 to 300 feet from the proposed ponds and about 400 feet from the proposed spray disposal field. The property between the residence and the railroad is planted with actively producing vineyards which are owned and managed by the homeowner.
14. A well to supply water for the Crystal Valley Cellars winery operations is proposed to be constructed on the Crystal Valley Cellars property in the future. This well is proposed to be located approximately 300 feet north of the spray disposal field, at the north corner of the winery building. A row of well-established, mature conifer trees exists along the property line north of the spray field, between the field and the winery building.
15. The on-site residence, the railroad, the off-site residence and associated vineyards, the wells, and the general public will be protected from airborne spray by the use of low trajectory sprinklers set up to spray only toward the center of the spray field, and the restriction of irrigation to periods of low wind speeds during night or early morning hours when the public is absent.
16. The Board adopted a revised Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan) on December 17, 1986. The Basin plan contains a listing of the beneficial uses of groundwaters in the Napa Valley area.

17. The beneficial uses of the Napa Valley groundwaters as set forth in the Basin Plan include:
 - a. Municipal Supply
 - b. Industrial Process Water Supply
 - c. Industrial Service Supply
 - d. Agricultural Supply.
18. Section 13523 of the California Water Code provides that a Regional Board, after consultation with and reception of recommendations from the State Department of Health Services, and if it is determined such action to be necessary to protect the public health, safety or welfare, shall prescribe water reclamation requirements for water which is used or proposed to be used as reclaimed water.
19. These water reclamation requirements are in conformance with the statewide water reclamation criteria established by the State Department of Health Services, as prescribed in Title 22, Section 60301 through Section 60355, California Administrative Code.
20. On June 3, 1987 the Napa County Conservation, Development and Planning Commission adopted a Negative Declaration for the proposed Crystal Valley Cellars winery facility and the associated wastewater pond system. The Negative Declaration found that the proposed project would not have a significant effect on the environment.

The project was subsequently modified to include the Mustards Grill restaurant and wastewater facilities for both the winery and the restaurant, as described above. On March 22, 1989 the Napa County Conservation, Development and Planning Commission approved a Use Permit for the modified wastewater system project, and a finding that the project is categorically exempt from the California Environmental Quality Act, pursuant to Section 15302 of the California Code of Regulations (Class 2 Categorical Exemption - Replacement or Reconstruction of existing facilities).
21. The Board has notified the Discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with and opportunity for a public hearing and an opportunity to submit written views and recommendations.
20. The Board, in a public hearing, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, that the Discharger, pursuant to the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, shall comply with the following:

A. Prohibitions

1. The rates of discharge to the treatment ponds shall not exceed the amounts described in Finding 2. of this Order.
2. No wastewater shall be applied to the spray disposal field during the wet weather period of October 1 through March 31, unless special circumstances warrant otherwise, and the Discharger has obtained written authorization from this Board's Executive Officer.
3. No wastewater shall be applied to the spray disposal field when soils are saturated, when conditions are such that runoff or ponding is likely to occur, during rainfall, or when rainfall is expected to occur within 24 hours.
4. The discharge of effluent from the ponds other than to the designated spray disposal site is prohibited.
5. Neither the treatment nor the disposal of wastes shall create a nuisance or pollution as defined in the California Water Code.
6. There shall be no bypass or overflow of waste to waters of the State from the Discharger's wastewater collection, treatment, storage or disposal facilities.
7. Discharge of toxic substances into the ponds which will disturb the normal biological treatment mechanisms of the ponds is prohibited.
8. The discharge of waste shall not degrade the quality of any groundwater used for domestic purposes or cause an increase in any quality parameter that would make groundwater unsuitable for irrigation use.
9. No reclaimed water shall be allowed to escape from the designated use area via surface flow or airborne spray.
10. Reclaimed water shall not be discharged onto any facility or area not designated for reclamation such as walkways, passing vehicles, buildings, domestic water facilities or food handling facilities. Drinking water facilities shall be protected from direct or windblown reclaimed water spray.
11. Reclaimed water shall not be used as a domestic or animal water supply. There shall be no cross-connection between potable water supply and piping containing reclaimed water. Supplementing reclaimed water with water used for domestic supply shall not be allowed except through an air-gap separation.

B. Discharge Specifications

General

1. A high water level alarm shall be installed in the pump station wet well to prevent the occurrence of sewage spill resulting from mechanical breakdown or power failure. The power supply for the alarm shall be independent of the normal power supply for the wastewater system.
2. The perimeter of the wastewater ponds and spray disposal field shall be adequately fenced in order to restrict public access.
3. Conspicuous warning signs shall be posted around the ponds and the irrigation field informing the public that the water contained therein is reclaimed wastewater and is not safe for drinking or contact. Signs shall be of sufficient size and proper wording to be clearly read. The signs shall be posted at the corners of the pond and spray field areas.

Treatment/Storage Ponds

4. Water at the surface of the ponds shall meet the following quality limits at all times:

In any grab sample:

- | | |
|----------------------|--------------------------------|
| a. Dissolved Oxygen | 2.0 mg/l, minimum |
| b. Dissolved Sulfide | 0.1 mg/l, maximum |
| c. pH | 6.0, minimum;
9.0, maximum. |

5. To prevent the threat of overflows, a minimum freeboard of two (2) feet shall be maintained in the ponds at all times.
6. The bottom of the proposed ponds shall be lined or compacted so that percolation of wastewater into subsurface soils has a rate of not more than 10^{-6} cm/sec.
7. Each pond shall be equipped with one or more aerators in order to provide sufficient aeration capacity to achieve aerobic biological stabilization of the wastewater discharged to the ponds, and to prevent the creation of anaerobic or nuisance conditions.
8. The ponds shall be adequately protected from erosion, washout, and flooding from a rainfall event having a predicted frequency of once in 100 years.

Reclaimed Water System

9. The spray disposal field shall be located such that the nearest edge of the spray field is at least 400 feet from the nearest of the existing domestic water supply wells

which are located near the residential home and barn on the adjacent property to the southwest of the Discharger's proposed ponds.

10. All sprinklers used in the spray disposal system shall be of the low-trajectory type in order to minimize the potential for transmission of air-borne spray beyond the perimeter of the spray field.
11. Sprinklers along the northeast and southwest perimeters of the spray irrigation field shall be set to spray only in a half-circle pattern, so that the spray is directed toward the center of the irrigation field.
12. An anemometer shall be installed at or near the irrigation site for the purpose of detecting high wind speeds. The anemometer shall be connected to one of the following control systems:
 - a. A control switch that will automatically shut off the irrigation pumps whenever wind speeds exceed a preset level; or
 - b. An audible and visual alarm sufficient to notify operating personnel of wind speeds in excess of a preset level, and the need to cease spray irrigation operations.
13. There shall be no irrigation or impoundment of reclaimed water within 500 feet of any well used for domestic supply or 100 feet of any irrigation well, other than as described in this Order, unless it can be demonstrated that special circumstances justify lesser distances to be acceptable.
14. There shall be at least a 10 foot horizontal and a one foot vertical separation between all pipelines transporting reclaimed wastewater and pipelines transporting domestic water, with the domestic water pipelines above the reclaimed water pipelines.

Reclaimed Water Use

15. The Discharger shall assure that the reclaimed wastewater disposed to the spray irrigation field is at all times an adequately oxidized, disinfected wastewater that meets the following quality limits at all times:

In any grab sample:

- | | |
|---|---------------------|
| a. Five-day Biochemical
Oxidation Demand | 40.0 mg/l, maximum; |
| b. Dissolved Oxygen | 1.0 mg/l, minimum; |
| c. Dissolved Sulfides | 0.1 mg/l, maximum; |

At any point downstream of the disinfection facilities where adequate contact with the disinfectant is assured:

- d. The median number of Total Coliform organisms shall not exceed 23 MPN/100 ml as determined from the results of the last seven days for which analyses have been completed. The number of Total Coliform organisms shall not exceed 240 MPN/100 ml in any two consecutive samples.
16. The Discharger shall discontinue the pumping of reclaimed water to the irrigation field during any period when there is reason to believe that the limits specified in B.15. above are not being met. The pumping of reclaimed water shall not be resumed until all conditions which caused the limits specified in B.15. to be violated have been corrected.
17. Unless special circumstances warrant daytime application, spray disposal of the reclaimed water shall only occur at night or early morning when the wind velocity is minimal and the public is absent.
18. Spray irrigation shall be discontinued whenever wind velocity at the irrigation field exceeds 10 miles per hour.
19. The Discharger shall manage its spray irrigation so as to minimize wastewater ponding in the spray field which could cause a mosquito breeding problem. Proper management of the spray disposal field shall include regular cutting of the grass at the start of and during the spray disposal season, in order to maintain the grass at a height of no more than about six inches.

C. Provisions


1. The Discharger shall comply with all sections of this Order immediately upon adoption.
2. The Discharger shall comply with the Self-Monitoring Program as adopted by the Board and as may be amended by the Executive Officer.
3. The Discharger shall submit to the Board as-built plans of the completed wastewater pond and spray disposal system, prior to initiating use of the system.
4. The Evapotranspiration-Infiltration (ETI) system which serves the Mustards Grill restaurant during the dry weather season shall be properly managed so as to maximize its wastewater disposal capabilities and to minimize the potential for failure of this system which would create a public health problem. Proper management of the ETI system shall include regular cutting of the ETI bed grass cover in order to maintain the grass at a height of no more than about six inches.

5. The Discharger shall maintain in good working order and operate, as efficiently as possible, any facility or control system installed or as modified to achieve compliance with this Order.
6. All equipment, including pumps, piping, valves, storage ponds etc. which may at any time contain reclaimed water shall be adequately and clearly identified with warning signs and the Discharger shall make all necessary provisions, in addition, to inform the public that the liquid contained is reclaimed wastewater and is unfit for human consumption.
7. In reviewing compliance with Prohibition A.6. and Discharge Specification B.5. of this Order, the Board will take special note of the difficulties encountered in achieving compliance during entire wet seasons having a rainfall recurrence interval of greater than once in ten years.
8. Collected screenings, sludges, and other solids removed from liquid wastes, including sludge accumulated in the treatment ponds, shall be disposed of at a legal point of disposal, and in accordance with the provisions of Chapter 15 of Title 23 of the California Administrative Code. For the purpose of this requirement, a legal point of disposal is defined as one for which waste discharge requirements have been prescribed or waived by a Regional Water Quality Control Board and which is in full compliance therewith.
9. In the event the Discharger is unable to comply with any of the conditions of this Order due to:
 - a. Breakdown of wastewater transport or treatment equipment;
 - b. Accidents caused by human error or negligence; or
 - c. Other causes such as acts of nature,

the Discharger shall notify the Board by telephone as soon as the Discharger or the Discharger's agents have knowledge of the incident. Written confirmation of this notification shall be submitted within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to correct the problem and the dates thereof, and what steps are being taken to prevent the problem from recurring.
10. The Discharger shall permit the Board or its authorized representatives, in accordance with Section 13267(c) of the California Water Code:
 - a. Entry upon premises where a regulated facility or activity is located or conducted, or where records are kept under the conditions of this Order;
 - b. Access to and copy of, at reasonable times, any records that must be kept under the conditions of this Order;

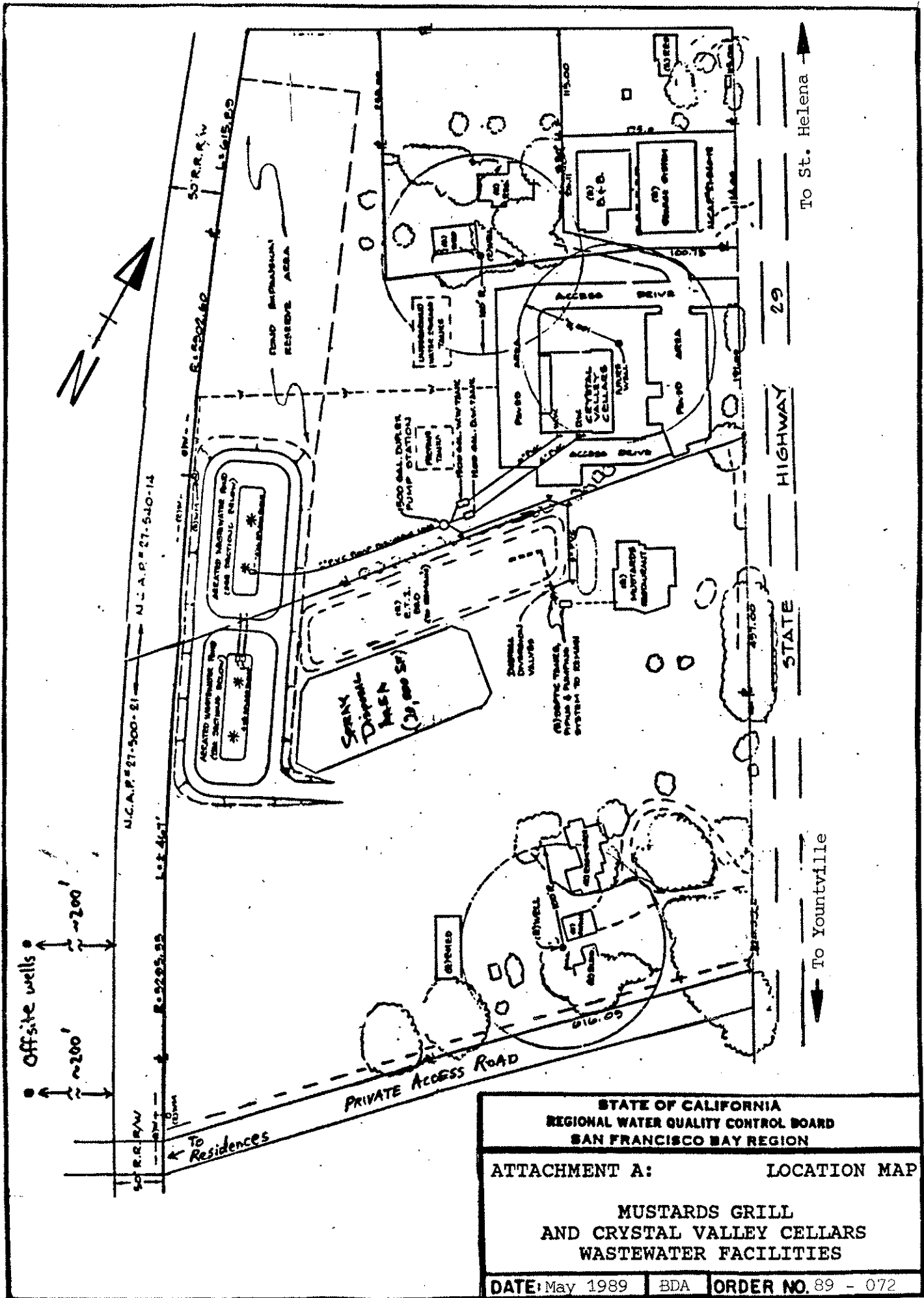
- c. Inspection, at reasonable times, of any facility, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order; or
 - d. To photograph, sample or monitor, at reasonable times, for the purpose of assuring compliance with this Order.
- 11. In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the Discharger, the Discharger shall notify the succeeding owner or operator of the existence of this Order by letter, a copy of which shall be forwarded to this Board.
 - 12. The Discharger shall file with the Board a Report of Waste Discharge at least 180 days before making any material change in the character, location, or volume of the reuse, except for emergency conditions in which case the Board shall be notified.
 - 13. The Board will review this Order periodically and may revise the requirements as necessary to comply with changing State and Federal laws, regulations, policies, or guidelines; changes in this Regional Board's Basin Plan; or changes in the discharge characteristics.
 - 14. After notice and opportunity for a hearing, this Order may be terminated or modified for cause including, but not limited to:
 - a. Violation of any term or condition contained in this Order;
 - b. Obtaining this Order by misrepresentation, or failure to disclose fully all relevant facts;
 - c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized reuse; or
 - d. Endangerment to public health or environment that can only be regulated to acceptable levels by Order modification or termination.

I, Steven R. Ritchie, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region on May 17, 1989.


STEVEN R. RITCHIE
Executive Officer

Attachments:
Location Map
Self-Monitoring Program

[File No. 2139.3102]
[Originator/BDA] [Reviewer/RJC]



CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM

FOR

MUSTARDS GRILL AND

CRYSTAL VALLEY CELLARS,

IN NAPA VALLEY, NAPA COUNTY

ORDER NO. 89 - 072

CONSISTS OF

PART A

PART A

I. GENERAL

Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13268, 13383, and 13387(b) of the California Water Code and this Regional Board's Resolution No. 73-16.

The principle purposes of a monitoring program by a waste discharger or reclaimed water user, also referred to as a self-monitoring program, are:

1. To document compliance with waste discharge requirements and prohibitions established by this Regional Board; and
2. To facilitate self-policing by the waste discharger in the prevention and abatement of pollution arising from waste discharge.

II. SAMPLING AND ANALYTICAL METHODS

Sample collection, storage, and analyses shall be performed according to Code of Federal Regulations Title 40, Section 136 (40 CFR S136), or other methods approved and specified by the Executive Officer of this Regional Board.

Water and waste analyses shall be performed by a laboratory approved for these analyses by the State Department of Health Services (DOHS), or a laboratory waived by the Executive Officer from obtaining a DOHS certification for these analyses.

The director of the laboratory whose name appears on the certification, or his/her laboratory supervisor who is directly responsible for the analytical work performed shall supervise all analytical work including appropriate quality assurance/quality control procedures in his/her laboratory and shall sign all reports of such work submitted to the Regional Board.

All monitoring instruments and equipment shall be properly calibrated and maintained to ensure accuracy of measurements.

III. DEFINITION OF TERMS

- A. A grab sample is defined as an individual sample collected in a short period of time not exceeding 15 minutes. Grab samples are used primarily in determining compliance with daily maximum limits and instantaneous maximum limits. Grab samples represent only the condition that exists at the time the sample is collected.

B. A flow sample is defined as the accurate measurement of the flow volume over a given period of time using a properly calibrated and maintained flow measuring device. Flows calculated from properly maintained pump useage records for an accurately calibrated pump are acceptable.

C. Standard Observations

1. Pond Area

- (a) For each pond, determine height of the freeboard at the lowest point of the pond perimeter levees.
- (b) Evidence of seepage form the ponds (Show affected area on a sketch, and include estimated volume of seepage or flow rate).
- (c) Odor from ponds: If present, indicate apparent source or cause, characterization, direction of travel, and any public use area or offsite facility affected by the odors.
- (d) Estimated number of waterfowl and other water-associated birds in the pond area and vicinity.
- (e) Warning signs properly posted to inform public that pond contains wastewater which is not safe for drinking or contact.

2. Spray Irrigation Site

- (a) Wind velocity and direction.
- (b) Evidence of reclaimed water escaping the irrigation site through surface runoff or airborne spray (Show affected area on a sketch).
- (c) Odor from irrigation site: If present, indicate apparent source or cause, characterization, direction of travel, and any public use area or offsite facility affected by the odors.
- (d) Evidence of ponding of reclaimed water, and/or evidence of mosquitoes breeding within the irrigation area due to ponded water.
- (e) Warning signs properly posted to inform public that irrigation water is reclaimed water which is not safe for drinking or contact.
- (f) Observation or knowledge of irrigation occurring during winds in excess of 10 miles per hour.
- (g) Grass in irrigation area properly maintained and cut as required (Grass height and date last cut).

3. Evapotranspiration-Infiltration (ETI) System

- (a) Grass cover on the ETI bed properly maintained and cut as required (Grass height and date last cut).
- (b) Report the dates when wastewater flow from the Mustards Grill restaurant is (1) diverted to discharge to the ETI system, and (2) diverted from the ETI system to discharge to the pond system.

IV. DESCRIPTION OF SAMPLING AND OBSERVATION STATIONS

<u>Station</u>	<u>Description</u>
<u>A. POND INFLUENT</u>	
A-1	At a point in the wastewater system prior to the aeration ponds at which all waste tributary to the system is present.
<u>B. POND EFFLUENT</u>	
E-1	At a point in the effluent from the ponds prior to being applied to the irrigation site (May be the same as E-1-D).
E-1-D	At a point in the effluent from the disinfection facilities at which point adequate contact with the disinfectant is assured.
<u>C. AERATION POND WATERS</u>	
P-1 and P-2	At points in pond 1 (north pond) and 2 (south pond), respectively, about two feet from the water's edge, representative of the pond water.
<u>D. OBSERVATIONS STATIONS</u>	
<u>Station</u>	<u>Description</u>
L-1, through L-4 (*)	<u>Pond Levee</u> - at the midpoints of the perimeter levee around the ponds.
I-1, through I-4 (*)	<u>Irrigation Site</u> - at the midpoints of the perimeter of the spray irrigation site.
ETI Bed	Grass cover on surface of the ETI bed; and influent flow to the ETI system.

* NOTE: A sketch showing the locations of these stations shall accompany the first monitoring report, and subsequent reports when station locations are changed or a violation is reported.

V. SCHEDULE OF SAMPLING, MEASUREMENTS, AND ANALYSIS

The Discharger is required to perform observations, sampling, measurements and analyses according to the schedule given in Table I (Attachment A).

VI. REPORTS TO BE FILED WITH THE REGIONAL BOARD

A. Self-Monitoring Reports

Written reports shall be filed regularly for each calendar quarter (ending March, June, September and December). Reports shall be submitted to this Regional Board's office no later than the fifteenth day of the month following the end of each quarter. The reports shall consist of the following:

1. Letter of Transmittal

A letter transmitting the self-monitoring reports should accompany each report. Such a letter shall include a discussion of requirement violations found during the reporting period, and actions taken or planned for correcting noted violations, such as operation or facility modifications. If the Discharger has previously submitted a report describing corrective actions and/or a time schedule for implementing the corrective actions, reference to the previous correspondence will be satisfactory.

The transmittal letter shall contain a statement by the Discharger, or the Discharger's authorized agent, under penalty of perjury, that to the best of the signer's knowledge the report is true, accurate and complete.

2. Results of Analyses and Observations

- a. Tabulations of the results from each required analysis and/or observations specified in Table I (Attachment A) by date, time, type of sample, and sample station.
- b. Completed Pond Observation and Reclaimed Water Use Report forms (Attachments B and C, respectively), or equivalent reports of all required observations. Reclaimed Water Use Reports are only required during months when discharge of pond effluent to the spray disposal field occurs.

B. Report of Permit Violation

In the event the Discharger violates, or threatens to violate the conditions of the waste discharge requirements and prohibitions due to:

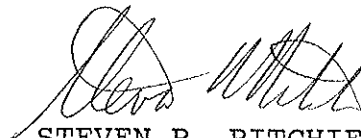
- a. Maintenance work, power failure, or breakdown of wastewater transport or treatment equipment;

- b. Accidents caused by human error or negligence; or
- c. Other causes such as acts of nature,

the Discharger shall notify the Regional Board office by telephone as soon as the Discharger or the Discharger's agents have knowledge of the incident. Written confirmation of this notification shall be submitted within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to correct the problem and the dates thereof, and what steps are being taken to prevent the problem from recurring.

I, Steven R. Ritchie, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in the Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 89-072.
2. Is effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.


STEVEN R. RITCHIE
Executive Officer

Effective Date

5/17/89

Attachments:

- A. Table I - Schedule for Sampling, Measurements and Analyses
- B. Pond Observation Report form
- C. Reclaimed Water Use Report form

[File No. 2139.3088]
[Prepared by BDA]
[Reviewed by RJC]

SMP ATTACHMENT A:

TABLE I
SCHEDULE FOR SAMPLING, MEASUREMENTS AND ANALYSES
(MUSTARDS GRILL AND CRYSTAL VALLEY CELLARS)

SAMPLING STATIONS	A-1	E-1 (1)	E-1-D (1)	P-1 and P-2	All I	All L	ETI bed
Type of Sample ---> Parameter (units)	Flow	G	G	G	O	O	O
Total Monthly Flow (gals)	M	M					
pH (units)				M			
Dissolved Oxygen (mg/l)		M		M			
BOD (mg/l)		M					
Dissolved Sulfides (mg/l)		M(2)		M(2)			
Total Coliform (MPN/100 ml)			2/W				
Chlorine Residual (mg/l) and Doseage Rate			2/W				
Applicable Standard Observations (3)	E (4)				2W (5)	2W	M

LEGEND FOR TABLE I

Type of Sample

Flow = Flow measurement
G = Grab Sample
O = Observations

Sampling Frequency

2/W = Twice per week
2W = Every two weeks
M = Monthly
E = Each event

NOTES:

- (1) Measurements and analyses required only when pond effluent is discharged to the spray irrigation site.
- (2) Analysis only required when Dissolved Oxygen is below 2.0 mg/l.
- (3) The Discharger shall perform the required observations and file the Pond Observation and Reclaimed Water Use Reports (Attachments B and C, respectively), or equivalent, as part of the quarterly Self-Monitoring Reports. Reclaimed Water Use Reports are only required for months when irrigation occurs.
- (4) Report the dates when wastewater flow from Mustards Grill is (a) diverted to discharge to the ETI system, and (b) diverted from the ETI system to discharge to the pond system.
- (5) Observations of spray irrigation site are to be conducted during irrigation, whenever possible, but no later than 24 hours following irrigation operations.

SMP ATTACHMENT B:

POND OBSERVATION REPORT
(Mustards Grill/Crystal Valley Cellars)

1. Reporting Period (Month/Year): _____
2. Total Monthly Flow (gallons):
 - a. Pond Influent (A-1): _____
 - b. Pond Effluent (E-1): _____
3. Required observations:
(Provide required information, and indicate 'yes' or 'no' where applicable, according to observed conditions.)

Inspection Date and Time:		
Observation Stations Inspected:		
Freeboard (feet):		
a) Pond 1 (North Pond)		
b) Pond 2 (South Pond)		
Evidence of Seepage from Ponds		
Nuisance Odors from Ponds		
Estimated Number of Waterfowl in Pond Area		
Warning Signs Improperly Posted		
Public Contact with Pond Water		
ETI Bed Improperly Maintained (Grass height / Date last cut)		
Dates when Mustards Grill flow diverted to or from ETI System (or indicate no change)		

4. If any of the above yes/no observations were yes, indicating a violation of waste discharge requirements, a written report containing the following information shall be submitted:
 - a. Show location of violation on a sketch of the site.
 - b. Explain cause and extent of violation.
 - c. Describe corrective action taken and the dates compliance was achieved and irrigation was resumed.
5. I certify that the information in this report, to the best of my knowledge, is true and correct.

Signature of User Supervisor

Date

RECLAIMED WATER USE REPORT
(Mustards Grill/Crystal Valley Cellars)

- | | | |
|--|--|--|
| Inspection Date and Time: | | |
| Observation Stations Inspected: | | |
| Wind Velocity
and Direction | | |
| Escape of Reclaimed Water from
Site as: a) Surface flow
or b) Airborne Spray | | |
| Nuisance Odors from Spray Site | | |
| Ponding of Reclaimed Water | | |
| Mosquito Breeding | | |
| Warning Signs Improperly Posted | | |
| Public Contact with Reclaimed
Water | | |
| Irrigation During Winds in
Excess of 10 mph | | |
| Grass Improperly Maintained
(Grass height / Date last cut) | | |

- Date _____